42637/GDL/N288

## **ABSTRACT**

A method and apparatus for branding a diamond with a focused ion beam by directing a focused ion beam at the diamond to be branded and controlling the beam such that the beam impacts the surface of the diamond at a number specified locations for a specified amount of time at each location to graphitize a portion of the diamond in the shape of a desired design.

GMV PAS401925.1-\*-12/12/01 9:48 AM